

STATE OF CALIFORNIA

SOLID WASTE FACILITIES PERMIT

1. Facility/Permit Number:

36-AA-0058

2. Name and Street Address of Facility:
MORONGO SOLID WASTE
DISPOSAL SITE
COUNTY OF SAN BERNARDINO
WASTE SYSTEM DIVISION
10780 MALIBU TRAIL, APPROX. .5 MILES
OFF THE TWENTYNINE PALMS HWY.

3. Name and Mailing Address of Operator:
SAN BERNARDINO COUNTY
WASTE SYSTEM DIVISION
222 W. HOSPITALITY LN., 2ND FLOOR
SAN BERNARDINO, CA 92415-0017

4. Name and Mailing Address of Owner:
SAN BERNARDINO COUNTY
WASTE SYSTEM DIVISION
222 W. HOSPITALITY LN., 2ND FLOOR
SAN BERNARDINO, CA 92415-0017

5. Specifications:

a. Permitted Operations:

- | | |
|--|---|
| <input type="checkbox"/> Composting Facility
(mixed wastes) | <input type="checkbox"/> Processing Facility |
| <input type="checkbox"/> Composting Facility
(yard waste) | <input type="checkbox"/> Transfer Station |
| <input checked="" type="checkbox"/> Landfill Disposal Site | <input type="checkbox"/> Transformation Facility |
| <input type="checkbox"/> Material Recovery Facility | <input type="checkbox"/> Liquid Septic Waste Class II Surface Impoundments (Drying Ponds) |

b. Permitted Hours/Days of Operation:

8:00 am to 4:30 pm - (Saturday, Sundays, Mondays, and Wednesdays) - Site is closed on Tuesdays, Thursdays, and Fridays and on County scheduled holidays. County scheduled holidays are New Years Day, Fourth of July, Memorial Day, Labor Day, Thanksgiving, and Christmas Day.

c. Permitted Tons per Operating Day

Average: 40 Tons/Day

Total: 200 Tons/Day

Non-Hazardous - General
Non-Hazardous - Liquid Septic Waste
Non-Hazardous - Other
Designated
Hazardous

ANY WITHIN TOTAL 200 Tons/Day
(NONE) Tons/Day
(NONE) Tons/Day
(NONE) Tons/Day
(NONE) Tons/Day

d. Permitted Traffic Volume:

Incoming vehicles with waste materials
Outgoing vehicles

Up to 250 Vehicles/Day
ANY WITHIN TOTAL 250 Vehicles/Day
ANY WITHIN TOTAL 250 Vehicles/Day

e. Key Design Parameters

	Total	Disposal Footprint	Transfer	MRF	Composting	Transformation
Permitted Area (in acres)	75.0	13.2 ACRES	NONE	NONE	NONE	NONE
Design Capacity		719,850 CUBIC YARDS	NONE	NONE	NONE	NONE
Max. Elevation (Ft. MSL)		2765				
Max. Depth (Ft. MSL)		2645				
Estimated Closure Date		1998				

This permit is granted to the operator named above. Upon a change of operator, this permit is subject to review. The attached permit findings and conditions are integral parts of this permit and supersede the conditions of any previously issued Solid Waste Facilities Permits. Nothing in this permit is preventing the operator from complying with any federal, state, and local requirements and enactments including all mitigation and monitoring measures developed in accordance with any certified environmental document filed pursuant to Public Resources Code (PRC) Section 21081.6. Nothing in these requirements shall be construed as relieving any operator/owner, or designee from the obligation of obtaining all required permits, licenses, or other clearances and complying with all orders, laws, regulations, or other requirements of other regulatory or enforcement agencies.

6. Approval:

Pamella V. Bennett
Approving Officer Signature

PAMELLA BENNETT, DIRECTOR

7. Enforcement Agency Name and Address:

DIVISION OF ENVIRONMENTAL HEALTH
SERVICES - LEA -
COUNTY OF SAN BERNARDINO
385 NORTH ARROWHEAD AVE.
SAN BERNARDINO, CA 92415-0160

8. Received by CIWMB:

JUL 5 1996
1996

9. CIWMB Concurrence Date:

_____, 1996 JUL 30 1996

10. Permit Review Due Date:

AUG 1 2001

11. Permit Issued Date:

AUG 13 1996

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12. Legal Description of Facility: The site is located in the Southern Half of the Northwest Quarter of Section 27, Township 1 South, Range 4 East, San Bernardino Baseline and Meridian.

13. Findings:

- a. Changes in Site Identification & Description were not identified in the 1986 (latest) County Solid Waste Management Plan. A Countywide Integrated Waste Management Plan has not been approved by the CIWMB. The LEA certifies, pursuant to Public Resources Code (PRC) § 50000 that the SBCo Board of Supervisors and a majority of the SBCo Cities / Towns with a majority of the population of the incorporated area of the County have approved the Site Identification & Description.
- b. This permit is consistent with standards adopted by the CIWMB pursuant to PRC § 44010 and all applicable Resource Conservation and Recovery Act (RCRA) Subtitle D requirements.
- c. The design and operation of the facility is in compliance with State Minimum Standards for Solid Waste Handling and Disposal as determined by the LEA.
- d. The local fire protection district, the San Bernardino County Fire Department, has (pursuant to PRC § 44151 - re: PRC § 4371 et. seq.) determined that the facility is in conformance with applicable fire standards.
- e. A Notice of Determination on proposed changes at the facility was filed July 20, 1995 with the Clerk of the Board and on August 19, 1993 with the State Office of Planning and Research (OPR) pursuant to PRC § 21081.6
- f. The authorized agent of the local governing body, the San Bernardino County Planning Department has [pursuant to PRC § 50000.5(a)] determined that proposed changes are consistent with and designated in the applicable general plan.
- g. The authorized agent of the local governing body, the San Bernardino County Planning Department has [pursuant to PRC § 50000.5(b)] found surrounding land use compatible with proposed changes at the facility.

14. Prohibitions: The permittee is prohibited from accepting any non-hazardous waste requiring special handling, designated waste, or hazardous waste unless such waste is specifically listed below, and unless the acceptance of such waste is authorized by all applicable permits:

1. Temporary storage of hazardous waste (detected in the hazardous waste screening/ exclusion program) in the designated hazardous waste temporary storage shed. (end of list)

The permittee is additionally prohibited from: accepting friable or nonfriable asbestos, sewage sludge, large dead animals, and burying whole tires or metallic discards (as defined by AB1760 - effective January 1, 1994) and from allowing any open burning or scavenging.

15. The following documents also describe and/or restrict the operation of this facility:

[X] Periodic Site Review	06/91	[X] Planning Department Consistency Findings (County General Plan)	07/13/93
[X] Report of Facility Information	10/95 (Original)	[X] Planning Department Compatibility Findings (Surrounding Land Use)	07/13/93
[X] Waste Discharge Requirements - (Orders #91-022 and #93-071)	03/13/91 & 09/15/93 (Blanket)	[X] Amendment(s) to RFI	05/28/96, 11/95
[X] Cleanup and Abatement Order, #95-096	09/01/95	[X] NPDES (Stormwater) Permit - Notice of Intent	05/02/94
[X] Notice of Determination - OPR Filing, SCH#93072066	08/19/93	[X] USEPA Generator ID CAD982495723	08/06/90
[X] Mitigation Monitoring/Reporting (Compliance) Program	05/96	[X] Enterprise Fund Letter Financial Assurance For Closure, Postclosure & Corrective Action	Approved 09/28/94
[X] Negative Declaration	08/31/95 (11/95 & 6/96 Addendum)		
[X] Fire Protection District Findings	08/16/93	[X] Certificate of Self-Insurance for operating liability claims	12/17/92
[X] Preliminary Closure & Preliminary Postclosure Maintenance Plans	Approved 08/10/95	[X] DEHS Hazardous Waste Generator Permit	02/28/96
[X] Subtitle D "Footprint" Documentation	05/96	[X] DEHS Hazardous Waste Handler Permit	02/28/96
[X] County Operating Procedures Manual for County Sanitary Landfills	June, 1983	[X] County (DEHS/WSD) Indemnification Contract	08/15/94
[X] PRC §50000 Certification by LEA	05/96		
[X] Mojave Desert AQMD Clearance letter	12/17/93		

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16. Self Monitoring: In addition to self-monitoring programs and the California Environmental Quality Act (CEQA) mitigation monitoring and reporting program described in other documents controlling this facility, the following programs shall be reported to the LEA and others as follows:

Program	Reporting Frequency	Agency Reported To
Summary of daily records (in tons/ day) per: solid waste received, liquid septic waste received, salvaged/ recovered materials leaving site (per type); daily visual estimate of recovered materials stored on-site (in weight, volume or count per type).	Quarterly *	LEA *
Summary of daily motor vehicle counts (in vehicles/day) per vehicles: entering with solid waste, entering with liquid septic waste, leaving with recovered materials.	Quarterly *	LEA *
Summary of public complaints received, regulatory notices received, and the operator's responses/ corrective actions taken.	Quarterly *	LEA *
Summary of entries in Log of Special/ Unusual Occurrences and operator's responses/ corrective actions taken.	Quarterly *	LEA *
Summary of record-keeping specified in the Hazardous/ PCB/ Prohibited Waste Screening/ Exclusion Program including: quantities/ types of materials discovered, responses/ corrective actions taken, interim/ final disposition of materials and public education activities.	(per DEHS-Haz-Mat *)	LEA, DEHS-HAZ-MAT *
Vector inspection/ control program (as may be specified in the RDSI).	(per SBCVCD *)	LEA, San Bernardino County Vector Control District (SBCVCD) *
Water quality control of contaminants - monitoring, reporting, remediation and related programs including: Waste Discharge Requirements, water SWATs, Clean-up & Abatement Orders/ Workplans/ Remediation Schedules, NPDES Permits.	(per local CRWQCB *)	LEA, local California Regional Water Quality Control Board (CRWQCB) *
Air quality management of emissions - monitoring, reporting, remediation and related programs including: fugitive dust (PM ₁₀) control, LFG monitoring/ control, air SWATs, AQMD equipment permits.	(per local AQMD *)	LEA, local Air Quality Management District (AQMD) *
(* = Reporting due by the 15th of the month following the end of the reporting period, OR else when due as specified by the controlling regulatory authority.)		(* = Plus reporting to all other local, state and federal regulatory authority with jurisdiction at the facility.)

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17. LEA Conditions: [NOTE: LEA conditions listed here shall be in addition to conditions of other documents controlling operation of this facility.]

1. The operator shall comply with all State Minimum Standards for Solid Waste Handling and Disposal as specified in Title 14 California Code of Regulations (CCR). The operator shall not operate this facility without possession of all required permits/ regulatory approvals. The operator shall inspect the site at least once each day of operation to ensure compliance with all applicable standards/ conditions/ mitigations/ permits/ regulations.
2. The operator shall comply with all mitigation and monitoring measures developed in accordance with any certified environmental document filed pursuant to Public Resources Code Section (PRC) §21081.6, and any administrative/ enforcement orders of regulatory agencies with jurisdiction at this facility.
3. The operator shall maintain a complete copy of this Solid Waste Facilities Permit (SWFP), of all other required regulatory permits and of all regulatory inspection reports, at the facility or other approved location readily accessible to facility personnel, LEA staff and other regulatory personnel.
4. Additional information concerning the design/ operation of this facility shall be furnished upon request to the LEA and other regulatory personnel.
5. The operator shall notify the LEA in writing [with proposed amendments to the Report of Facility Information (RFI)], at least one hundred fifty (150) days in advance of proposed significant changes (as determined by the LEA), in the design/ operation of the facility to allow for early consultation, completion of all required documents/ due process review/ filing and the completion of all related permitting processes. Such notification shall include changes (including new additions) of: processing/ composting/ baling/ materials recovery facility (MRF)/ transfer station and/or transformation facility, changes in permitted hours/ days of operation, permitted tons/day per category, permitted traffic volumes/day per category, permitted total area, disposal footprint, maximum elevation, maximum depth of waste, and/or estimated closure year, which may be later proposed for this facility.
6. This facility is authorized to conduct limited salvaging and to store recovered materials (if such salvaging/ storage is properly described in the RDSI or amendments thereto) for brief periods of time [not to exceed thirty (30) days for any category of material] and only in closable durable containers as specified by the LEA. Such limited salvaging/ storage shall only be conducted as pre-approved by the LEA to preclude the creation of health hazards or public nuisances. The facility shall not be used as a composting facility, materials recovery facility (MRF), processing facility, transfer station and/or transformation facility. No crushing, grinding, mechanical sorting, composting, or other processing shall occur at the facility location except as the LEA may give prior written approval for brief [less than thirty (30) day] experimental/ pilot project type programs.
7. The LEA reserves the right to suspend and/or modify operations at this facility when deemed necessary due to any emergency, potential health hazard, and/or public nuisance.
8. This SWFP is subject to review by the LEA and may be suspended, revoked or modified at any time for sufficient cause.
9. As outlined in Section 16, the operator shall maintain at the facility, or other approved location, accurate daily records of the tonnage/day and number of vehicles/day per: incoming solid waste, outgoing recovered material (per category); and an estimate (by weight, volume or count) of the total amount of recovered material (per category) stored on-site for brief periods of time. Such records shall be readily accessible at the facility, or other approved location, to the LEA/other regulatory personnel. A written summary of such tons/day per category, vehicles/day per category, and estimates/day per category, shall be furnished quarterly to the LEA within fifteen (15) days of the end of each quarter.
10. As outlined in Section 16, the operator shall furnish a written summary of all written complaints (including all regulatory notices such as: Notices of Violation, Notice and Orders, Clean-up & Abatement Orders) concerning the facility received by the operator during a quarter, and the operator's responses/ corrective actions taken, to the LEA within fifteen (15) days of the end of each quarter.
11. As outlined in Section 16, the operator shall maintain at the facility, or other approved location, a log of special/unusual occurrences (S/U O). The log shall include, but not be limited to: fires, explosions, discharges of unusual waste, significant incidents of personal injury, accidents and/or property damage. Each log entry shall be accompanied by a summary of the responses/ corrective actions taken by the operator to mitigate any negative impacts of each occurrence. Days without incidents of S/U O shall be noted with an appropriate negative entry for such days such as: "No S/U O today". The operator shall maintain this log at the facility or other approved location in a manner readily accessible to facility personnel and to the LEA/ other regulatory personnel. A written summary of the log entries during a quarter shall be furnished to the LEA within fifteen (15) days of the end of each quarter.
12. The operator shall maintain an LEA approved hazardous/ PCB/ prohibited waste screening/ exclusion (loadchecking) program at the facility which will adequately protect public health and the environment from illegal on-site disposal of hazardous/ PCB/ prohibited wastes. It shall include not less than seven (7) hours per week of on-site loadchecking by personnel trained in such activities. Signs, brochures, and/or other appropriate communication measures shall be utilized by the operator to direct site users to the nearest Household Hazardous Waste (HHW) collection facility, and inform site users of pending HHW Round-up activities scheduled for communities within the site's waste-shed. A written summary of all program activities/ results during a quarter, shall be furnished to the LEA within fifteen (15) days of the end of each quarter.

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17. LEA Conditions (continued):

13. The operator shall comply with the requirements of all applicable laws pertaining to employee health and safety including maintaining an up-to-date written CAL-OSHA Injury Illness Prevention Program (IIPP) - (pursuant to Title 8 CCR), on-site and readily available for review by all facility personnel and by the LEA staff and other regulatory personnel. The IIPP shall include a comprehensive training plan, availability of all necessary on-site work/ protection/ safety equipment, and adequate on-site first aid supplies. Whenever personnel are at the facility they shall have immediate radio and/or telephone access to a 911 emergency dispatcher.
14. The operator shall maintain an adequate vector monitoring/ control program with updates as directed by the San Bernardino County Vector Control District (SBCVCD).
15. The operator shall submit information to the LEA indicating compliance with applicable Waste Discharge Requirements, Clean-Up & Abatement Orders, monitoring, remediation schedules and related requirements of the Colorado River Regional Water Quality Control Board (CRRWQCB). The operator shall provide in the operating record and to the LEA, a CRRWQCB approved unsaturated zone monitoring program and approved statistical analysis of SWAT groundwater samples.
16. The operator shall submit information to the LEA indicating compliance with applicable rules of the local Air Quality Management District (AQMD) including: fugitive dust PM_{10} control, landfill gas (LFG) monitoring/ control, air SWAT compliance and AQMD equipment permits. The operator shall take every reasonable precaution to control fugitive dust emissions including the use of water and dust palliatives. The operator shall annually assess the need for and implement adequate LFG monitoring/ venting/ collection programs, as may be required by federal, state, [14 CCR Sec. 17258.23 (a)(b)] regional, and/or local air quality management standards/ rules. Copies of AQMD permits shall be provided to the LEA. The operator shall properly maintain all facility equipment and structures according to the manufacturer's specifications and good engineering/ maintenance practices.
17. The operator shall use all reasonable measures to avoid "takings" of threatened, endangered, rare, and/or sensitive species, including use of tortoise-proof fencing and authorized raven monitoring/ control measures in accordance with all measures, remediation, and compensations incorporated into any Cooperative Agreement (CA) with the U. S. Department of Interior - Bureau of Land Management (BLM), U. S. Fish and Wildlife Service (USF&WS), and the California Department of Fish & Game (CDF&G).
18. At all times, there shall be adequate portable litter-control fencing and litter picking personnel to preclude litter from blowing and accumulating off-site.
19. At all times the site perimeter (including any expansion area) shall be provided with adequate security gates and fencing in good repair (or equivalent effective barriers). Adequate security gates and fencing shall be in good repair. Any raven control/ exclusion devices, as may be prescribed by BLM, USF&WS and/or CDF&G shall be provided.
20. A qualified geotechnical consultant shall prepare a stability analysis of the site, if a slope ratio steeper than three-to-one (3:1) will be utilized at any portion of the site. Any measures required in the geotechnical study to ensure that the landfill does not cause a threat to life or property, shall be implemented. The study shall include an engineering analysis that identifies construction requirements designed to withstand the maximum probable earthquake or maximum credible earthquake (pursuant to Title 23 CCR Chapter 15). The study shall be reviewed and approved by the LEA and the CIWMB prior to its implementation.
21. Waste and cover material shall be spread and compacted utilizing methods to maximize compaction and to decrease the attraction of animals, birds and vectors to the site. Personnel shall not secure the site each day until the operator's inspection confirms that at least six (6) inches of compacted cover has been deposited over all waste and sufficient to prevent such attraction. On-site litter shall not be allowed to accumulate, so as to create such an attraction.
22. Alternatives to soil covers, shall be reviewed and approved by the LEA prior to their implementation.
23. The operator shall take immediate and independent action to prevent and suppress fires on the project area, and shall require employees to do likewise. The facility shall be maintained with a clearance of flammable material for a minimum distance of one hundred fifty (150) feet from the periphery of any exposed flammable solid waste, or additional minimum flammable clearance provisions determined by the local fire protection agency (pursuant to PRC §4373).
24. The operator shall properly equip and maintain noise attenuation and spark arrestor devices (such as mufflers) on all combustion engines utilized at this facility. All equipment components shall be maintained in good mechanical condition and properly operated to prevent excessive noise levels and circumstances capable of starting accidental fires.

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17. LEA Conditions (continued):

25. Where residential receptors are present, adequate noise attenuation buffers shall be installed to reduce noise levels to a sixty (60) dBA threshold at any point off-site at a distance of one hundred (100) feet from the facility boundary, or if any noise levels are deemed to exceed the prescribed threshold limits for sensitive noise receptors, pursuant to the San Bernardino County (SBCo) General Plan, SBCo Code, Development Code and Guidelines.
26. The operator shall prepare and implement a comprehensive site surface drainage and erosion control plan for the facility. The plan shall prevent significant erosion and siltation impacts both on-site and downstream of the site. The plan shall promote positive sheet-flow run-off from all deck areas and side-slopes to perimeter channels with no significant erosion. The plan shall provide adequate sedimentation basins to prevent downstream siltation/ deposition, shall provide emergency remedial measures for sudden/ great storm events, and shall include an implementation schedule. The plan shall ensure no negative off-site impacts occur. A copy of the plan approved under the direction and signature of a California Registered Civil Engineer shall be furnished to the LEA within one (1) year of SWFP issuance.
27. A qualified landscape architect or botanist shall prepare and implement a revegetation/ landscape plan for the site within one (1) year of SWFP reissuance. The plan shall provide for an effective vegetative cover with native drought-tolerant vegetation on disturbed surfaces in those portions of the site where disposal activities have ceased. An effective vegetation cover shall be fifty (50) percent coverage of the revegetated areas without permanent irrigation after a five (5) year period.
28. The operator shall provide final cover over all areas in accordance with the final grading plan and commence revegetation in accordance with the approved revegetation plan. Where and when final elevation has been attained or a discrete segregated area of the site can no longer receive waste, final cover shall also be provided.
29. A qualified person shall conduct a field survey prior to excavation of grading of undisturbed portions of the site, to identify areas that may contain potential resources. If no areas are identified, a report of the field survey shall be prepared and submitted to the San Bernardino County Museum Archaeological Information Center for review and approval. A copy of the report shall also be submitted to the County Planning Department Environmental Team, for review and approval. If the field survey indicates areas of potential resource, excavation shall be monitored by a qualified archaeologist. If no specimens are found in the excavation, a report of such shall be prepared and submitted as directed by the MMR(C)P. Where specimens are found, they shall be properly prepared for identification and curation into an established museum repository with an approved report of findings with appended itemized inventory of specimens as directed by the MMR(C)P. The LEA shall be included in all correspondence and transmittal of reports.
30. The operator shall obtain/ maintain all necessary easement agreements with plot plans showing the location of all utilities crossing the site. Copies of such agreements/ plot plans shall be provided to the LEA in a timely manner.
31. Site entry signs shall prominently display all required regulatory information.
32. If required to be installed, all appropriate water treatment facility permits and associated well permits must be properly secured with copies submitted to the LEA.
33. Per RCRA Subtitle D requirements, the operator will submit a draft report addressing the requirement or exemption for installation of a landfill gas collection system to the LEA.
34. In conjunction with the Bureau of Land Management (BLM), U.S. Fish and Wildlife Service (USFWS), California Department of Fish and Game (CDFG), and qualified biologist, the Waste System Division/Norcal will implement a raven monitoring program and develop appropriate measures to reduce and/or eliminate existing use of the disposal site as a habitat for ravens. This program will be submitted to the LEA within nine months of a re-permit concurrence and implemented within one year of the re-permitting date of record.

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17. LEA Conditions (continued):

35. Any alternative daily cover demonstration proposed to the LEA/CIWMB shall include appropriate consultation with the local California Regional Water Quality Control Board (CRWQCB) to ensure that any such proposal is consistent with the CRRWQCB's goals, objectives, WDRs, applicable Cleanup and Abatement Orders and related CRRWQCB issues.
36. All recommendations from the site specific biotic survey stated in mitigation measure #14 of the MMCP shall be implemented prior to disposal activities on undisturbed portions of the site.
37. The permitted average daily weight to be received at the landfill is 40 tons. The average daily tonnage will be calculated based on the following calculation:

$$\frac{\text{Total Tonnage in the Calendar Month}}{\text{Number of Operating Days in the Month}} = \text{Average Daily Tonnage}$$

<END OF CONDITIONS>